

ACCESS ROAD

Access roads are of varying importance and design complexity. Documentation will vary. The following is considered as a checklist for the technician to use in determining needed information to verify decisions. When the work is within job approval class I¹, only a few of the items listed may be required.

Design Survey

The following information shall be obtained and recorded in the field notes as needed:

- a. Alignment survey.
- b. Profile and cross-sections of centerline.
- c. Locations of physical features (drainages, trees, rocks, etc.) that will affect construction.
- d. Soils investigations as needed.
- e. Intended use (public or private).

Design Data

The following information shall be recorded in the design notes or on the construction drawing as needed:

- a. Alignment
- b. Surface width.
- c. Slope suitability
- d. Hydrology of contributing areas.
- e. Drainage requirements.
- f. Erosion control.
- g. Surfacing requirements.
- h. Revegetation requirements.
- i. Structural requirements
- j. Quantity computations.
- k. If for public use, What local design criteria was used (County, State, or Federal).

Drawings and Specifications

The construction drawings shall include, but will not be limited to, the following:

- a. Location Map (required).
- b. Plan, profile, and cross section of access road (a & b may be combined).

¹ See Wyoming charts for engineering job approval authority in the National Engineering Manual (WY 501.04 (a) (2)).

- c. Structure locations and details.
- d. Drainage requirements
- e. Surfacing details and location of source, if required.
- f. Borrow areas, if required.
- g. Extent of Revegetation
- h. Waste and disposal areas, if required.
- i. Table of quantities.

Practice specifications, along with applicable "Items of Work and Construction Details," shall be provided for each item or phase of construction to clarify the work as needed.

Layout Survey Notes

The following information shall be recorded in the field notes as needed to control the quality of the installation:

- a. Centerline alignment along with applicable cut-and-fill stakes.
- b. Structure, location, alignment, and applicable offset grade stakes.
- c. Location, alignment, and extent of erosion control ditches or structures.

Compliance Checks

The complexity of the design will dictate the need for compliance checks during construction. All compliance checks shall be recorded in the field notes. Narratives of compliance checks shall be entered on a sheet in the field notes. Compliance checks shall include, but will not be limited to, the following:

- a. Centerline profile.
- b. Measurements, alignments, and elevation of structure.
- c. Cross sections as required.
- d. Material test results (recorded on applicable forms).
- e. Adequacy of surfacing and erosion control.
- f. Adequacy of Revegetation.

As-Built Plans

As-Built plans shall reflect all significant changes in alignment, cross section, structure location, etc. If there were no changes, the original drawings shall be marked "As-Built."

Plans may not be required for short noncomplicated access road. The design and layout may be accomplished at the same time. Information indicating conformance with the standard should be entered in the field notes.